| Index of Claims   | Application/Control No. | Applicant(s)/Patent under Reexamination |
|---|-------------------------|---|
|   | 10/731.655              | KARIMISETTY ET AL.                      |
| 13   13   13   14   15   16   16   16   16   16   16   16 | Examiner                | Art Unit                                |
|   | Cory C. Bell            | 2164                                    |

| <b>√</b> | Rejected | 1 | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|----------|----------|---|--------------------------------|---|--------------|---|----------|
| =        | Allowed  | ÷ | Restricted                     | 1 | Interference | 0 | Objected |

| Claim             | Date  | Clai  | Date     |                                       |          |          |          |           |        | ٦               | Claim |          |      | Date     |              |          |               |          |                |                |     |          |            |          |
|-------------------|---|---|----------|---------------------------------------|----------|----------|----------|-----------|--------|-----------------|-------|----------|------|----------|--------------|----------|---------------|----------|----------------|----------------|-----|----------|------------|----------|
|                   |   |   |          |                                       | П        | Ť        | T        | Т         | $\neg$ | Τ.              | 7     |          |      |          | Т            | T        | Т             | Т        | T              | П              |     |          |            |          |
| Final<br>Original | 60/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/10<br>10/5/1 | 1 75  | Original |                                       |          |          |          | -         |        | -               | ı     | 1.7      | in a | Original | 1            | 1        |               | - 1      | - 1            |                | - 1 |          | - 1        |          |
| Final             |   | Final                                       | ξ        | - 1                                   | 1 1      | - 1      |          | - [       | - [    | ı               | -     | i        | [ ]  | ξΊ       |              |          |               | - 1      | - 1            | 1              |     |          |            |          |
| -   0             | 12/2/21   | 1 1   | 9        | - }                                   | 1 1      | - 1      | - 1      | -         |        |                 | 1     |          |      |          | L            | $\perp$  |               | ┙        | $\perp$        |                | _   | _        |            |          |
| 1                 |   |   | 51       | _                                     | 1        |          |          |           | 1      |                 | 7     |          |      | 101      | Т            | Τ        | $\prod$       |          |                |                |     |          | $\Box$     |          |
| 2                 | <del>┤┆╎┆</del> ┼ <del>┆</del> ┼╸┼╸┼╸┼╸┼  |   | 52       | $\neg$                                | 1        |          | 7        | $\neg$    |        | 7               | 7     |          |      | 102      |              |          | $\perp$       |          |                |                |     |          |            |          |
| $\frac{2}{3}$     | <del>┤┪╎╏┆</del> ╣┦╼┟╾╁╼┟╍╁╼╂═┤   |   | 53       |                                       | $\Box$   |          | _        | T         | 7      |                 | 7     |          |      | 103      | $\prod$      | $\perp$  |               |          |                |                |     |          |            |          |
| 1 4               | <del>┤╿╎╎╿</del> ┤  | 1   | 54       |                                       | $\sqcap$ |          |          |           | T      | $\top$          | ٦     | Г        |      | 104      |              |          |               |          |                |                |     |          | _          |          |
| 5                 | <del>                                      </del>   |   | 55       |                                       |          |          | 7        |           |        |                 | 7     |          |      | 105      | $\mathbf{I}$ | $\perp$  |               |          |                |                |     |          |            |          |
| 6                 | <del>                                      </del>   |   | 56       | _                                     |          |          | $\neg$   | T         |        |                 | 7     |          |      | 106      |              | $\perp$  |               |          |                |                | _   |          |            |          |
| 1 × 7             | <del>-{{-{}}}-{ -{}}-{ -{}}-             </del>   | 1   | 57       |                                       | $\top$   |          | 7        | $\neg$    |        |                 | _     |          |      | 107      | $\perp$      |          |               |          |                |                |     |          |            |          |
| 8                 | <del>-{}-{}-</del>  |   | 58       |                                       | $\Box$   |          | 7        | T         |        |                 |       |          |      | 108      |              |          |               | _1       | _              |                |     |          | _          |          |
| 9                 | - <del>                                      </del>   |   | 59       | _                                     |          |          | $\neg$   | T         |        |                 |       |          |      | 109      |              |          | _             |          | _              |                |     |          |            |          |
| 10                |   |   | 60       |                                       |          |          | 7        | I         | $\Box$ | $\Box$          |       |          |      | 110      |              |          |               | _        | _              |                |     |          | _          |          |
| 111               |   |   | 61       |                                       |          | $\Box$   |          | T         | П      |                 |       | . [      |      | 111      |              |          |               | _        | _              |                |     |          | _          |          |
| 12                |   |   | 62       |                                       | $\Box$   |          |          |           |        | $\Box$          |       |          |      | 112      |              | ⅃        |               | _        |                | Ш              |     |          | _          |          |
| 13                |   |   | 63       |                                       |          |          |          |           | $\Box$ | $\Box$          |       |          |      | 113      | _            |          | _             | ┙        | _              |                |     |          |            |          |
| 14                |   |   | 64       |                                       |          |          | $\Box$   | $\Box$    | $\Box$ | $oxed{\Box}$    |       |          |      | 114      |              | 1        | _             | ᅵ        |                | Ш              | Ш   | L.       | _          |          |
| 15                |   |   | 65       |                                       |          |          | $\Box$   |           |        |                 |       |          |      | 115      |              | ⅃.       | _             |          | _              |                |     | $\Box$   | Ш          |          |
| 16                |   |   | 66       |                                       |          |          |          | $\Box$    | $\Box$ |                 |       |          |      | 116      | ┵            | $\perp$  | 4             |          | _              | <u></u>        | Щ   | L.,      | Щ          |          |
| 17                |   |   | 67       |                                       |          |          |          | $\neg$    |        |                 |       |          |      | 117      | ᆚ            | $\perp$  | ┙             | _        |                | $\Box$         |     |          |            | 1        |
| 18                |   |   | 68       |                                       |          |          |          |           |        | $\Box$          |       |          |      | 118      | 1            | _        | $\perp$       |          |                | L_             |     | L        |            |          |
| 19                |   |   | 69       |                                       |          |          | 7        | $\exists$ |        | Т               |       |          |      | 119      |              |          | _             | $\Box$   |                |                |     |          |            |          |
| 20                |   |   | 70       |                                       |          | П        |          |           | $\Box$ | $\top$          |       |          |      | 120      | $\perp$      | _        | _             |          |                |                |     | Ŀ        |            | I        |
| 21                |   |   | 71       |                                       |          |          |          |           | I      | $\Box$          |       |          |      | 121      | $\perp$      |          | $\perp$       | _        |                | L              |     |          |            | ĺ        |
| 22                |   |   | 72       |                                       |          | $\Box$   |          |           |        |                 |       | L        |      | 122      | $\perp$      | 4        | $\rightarrow$ | _        |                | L              |     | <b> </b> | _          | I        |
| 23                |   |   | 73       |                                       |          |          |          |           |        |                 |       |          |      | 123      | _            | _        | _             |          |                | L.             |     | _        | ldash      | i        |
| 24                |   |   | 74       |                                       |          |          |          |           |        |                 |       | L        |      | 124      | _            | _        | _             |          |                |                | ļ   | ļ        | _          | i        |
| 25                |   |   | 75       |                                       |          | $\Box$   |          |           |        |                 |       | L        |      | 125      | 4            | 4        | 4             |          |                | _              |     | _        | $\vdash$   | l        |
| 26                |   |   | 76       |                                       |          |          |          |           |        |                 |       | L        |      | 126      | 4            | 4        | _             | _        |                |                |     | ļ        | _          | i        |
| 27                |   |   | 77       |                                       |          |          |          |           |        |                 | _     | L        |      | 127.     | -4-          | 4        |               |          | _              | <u> </u>       | ┡   | <u> </u> | _          | ł        |
| 28                |   |   | 78       |                                       |          |          |          | _         |        |                 | 4     | L        |      | 128      | 4            |          | -             |          |                | <u> </u>       | _   |          | -          | 1        |
| 29                |   |   | 79       |                                       |          |          |          | _         | _      | $\dashv$        | ┙     | L        |      | 129      | +            |          |               |          | _              | <b> </b> _     | -   |          | <u> </u> - | ĺ        |
| 30                |   |   | 80       |                                       |          |          |          | _         | _      | _               | _     | <u> </u> |      | 130      | 4            | 4        | -             | _        |                | ļ              | -   |          |            | l.       |
| 31                |   |   | 81       |                                       | 1_       | Ш        |          | _         | _      | _               | 4     | <br> -   |      | 131      | $\perp$      | -1       |               |          | <b> </b> -     | -              | ⊢   | ├-       |            | 1        |
| 32                |   |   | 82       |                                       |          | Ш        |          | _         | _      | _               | ᅬ     | ļ        |      | 132      | -            | -        |               |          | ⊢              | ├              | ⊢   | ├—       | -          |          |
| 33                |   |   | 83       |                                       |          | $\sqcup$ |          |           | _      | 4               | 4     | -        |      | 133      | $\dashv$     | -        | -             |          |                | ├-             | -   | ├        | ⊢          |          |
| 34                |   |   | 84       |                                       | 1_       | $\sqcup$ |          |           | _      | -               | -1    | <br> -   |      | 134      | }-           |          |               |          | -              | -              | -   | ├        |            |          |
| 35                | 5   |   | 85       | 1-1-                                  | 4-       | $\vdash$ | Ш        |           | _      |                 | -     | -        |      | 135      |              |          | -             |          | -              | ╁╌             | -   | ├        | -          | 1        |
| 36                | 6   |   | 86       | $\sqcup \bot$                         | ┦        | $\sqcup$ | Ш        | $\dashv$  |        |                 | 긕     | L        |      | 136      | -            |          |               |          | ⊢              | ├              | ├   | ├        | -          | ł        |
| 37                |   |   | B7       | L                                     |          | 1_       |          |           | _      | $\rightarrow$   | 4     | ŀ        |      | 137      | -+           | -        | -             |          | -              | <del> </del>   | ├-  | ┼        | ╁          | 1        |
| 31                | 8   |   | 88       | $\sqcup$                              | 1        | $\perp$  |          |           |        | -               | 4     | -  -     |      | 138      |              |          | $\dashv$      | _        | ├              | ╁              | ⊢   | -        | ├          | ł        |
| 39                | 9   | <u>                                    </u> | 89       | $\sqcup \sqcup$                       | 1        | 1        | Ŀ        |           | -      |                 | _     | -        |      | 139      | +            |          |               |          | ┥              | <del> </del> - | ├-  | ├-       | -          | {        |
| 40                |   | L   | 90       | $\perp$                               | 1        | 1        | Ш        |           |        | -               | _     | -        |      | 140      |              |          | -             |          | ⊢              | ╁              | -   | ⊢        | ┢          | ł        |
| 4                 |   |   | 91       | 1_                                    | 4        | $\vdash$ | $\sqcup$ |           | Ш      | -               | ᅫ     | -        |      | 141      | -            | -        | $\vdash$      |          | ⊢              | ╁~             | -   | ╂        |            | 1        |
| 4:                | 2   |   | 92       | ـــــــــــــــــــــــــــــــــــــ | _        | ↓        | $\sqcup$ | Ш         | Ш      | 1               | _     | -        |      | 142      | -            |          |               | -        | ├-             | ╂              | ┼-  | ╁─       | -          | 1        |
| 4:                |   |   | 93       | $\bot$                                | -        | -        | 1        | Н         | Н      | $\vdash$        | ᆛ     | -        |      | 143      | -+           | 4        | $\vdash$      | -        | ├              | ╂              | +-  | +-       | +-         | 1        |
| 4                 |   | $\vdash$                                    | 94       | $\sqcup \bot$                         | 4-       | -        | $\vdash$ | Н         | Н      | $\vdash$        | 4     | ╌        |      | 144      | -            |          |               | -        | <del>  -</del> | +-             | +   | +-       | +          | <b>-</b> |
| 4:                |   | {   | 95       | $\vdash$                              | ┦        | -        | H        |           | -      | $\vdash \vdash$ | ᅴ     | -        |      | 145      |              | $\dashv$ | $\vdash$      | -        | +-             | +-             | +-  | +        | +-         |          |
| 4                 |   |   | 96       | $\vdash$                              |          | +-       | -        | -         | -      | ┝╼┼             |       | ŀ        |      | 147      | +            | -        | $\vdash$      |          |                | ╁              | 十   | +-       | -          | 1        |
| 4                 |   |   | 97       | ┯                                     | 4-       | +        |          | -         | -      | $\vdash \vdash$ |       | -        |      | 148      |              |          |               | $\vdash$ | +              | ┰              | +   | +        | $\vdash$   |          |
| 4                 |   |   | 98       | ╁┷╂╌                                  |          | +-       | <b>├</b> | -         | -      | ╁╌┼             |       | ŀ        |      | 149      |              | -        |               | -        | +-             | +-             | +-  | 1        | 1          | 1        |
| 4                 |   | 1   | 99       |                                       | +        | +        | -        | -         |        | -               | 4     | -        |      | 150      |              |          | -             | -        | 1              | +-             | 1   | 1        | 1          | 1        |
| 5                 |   | ــا ا                                       | 100      |                                       |          | 1_       |          |           |        |                 | ل     | L        |      | 1,50     | _            |          | ш             |          | Ь-             |                |     |          |            | ,        |